

INFORMATION  
DISCLOSURE  
STATEMENT

Atty. Docket No.: 6137.P US	Serial No.: 09/600,392
	File Copy
Applicant(s): Charles W. FORD et al.	
Filing Date: 14 July 2000	Group: 1653
Int'l Filing Date: 12 January 1999	1636

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
ABD		5,362,646	11/08/94	Bujard et al.	/	/	
ABD		5,464,758	11/07/95	Gossen et al.	/	/	
ABD		5,589,362	12/31/96	Bujard et al.	/	/	
ABD		5,650,298	07/22/97	Bujard et al.	/	/	
ABD		5,654,168	08/05/97	Bujard et al.	/	/	

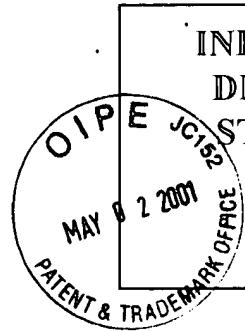
FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	SubClass	Translation	
							Yes	No
ABD		DE 44 17 598 A1	12/14/95	Germany (English language abstract)	X	X	X	Claims only
ABD		WO 94/29442	12/22/94	PCT				
ABD		WO 96/01313	01/18/96	PCT				
ABD		WO 96/40946	12/19/96	PCT				
ABD		WO 96/40979	12/19/96	PCT				
ABD		WO 99/36554	07/22/99	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

ABD	N. H. Albertson et al., "Construction and use of a new vector/transposon, pLBT:: mini-TN10: <i>lac:kan</i> , to identify environmentally responsive genes in a marine bacterium," <i>FEMS-Microbiology Letters</i> , 140:287-294 (1996).
ABD	M.G. Bayer, et al., "The Molecular Architecture of the <i>sar</i> Locus in <i>Staphylococcus aureus</i> ," <i>Journal of Bacteriology</i> , 178:4563-4570 (1996).
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EXAMINER <i>Donald A. Leffler</i>	Date Considered 5-2-02
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<i>AB2</i>		A. K. East et al., "Cloning and Sequence Determination of Six <i>Staphylococcus aureus</i> $\beta$ -Lactamases and Their Expression in <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> ," <i>Journal of General Microbiology</i> , <u>135</u> , 1001-1015 (1989).
<i>AB2</i>		K. Gan et al., "Isolation and Characterization of a Temperature-sensitive Mutant of <i>Salmonella typhimurium</i> Defective in Prolipoprotein Modification," <i>The Journal of Biological Chemistry</i> , <u>268</u> :16544-16550 (1993).
<i>AB2</i>		K. Gan et al., "The <i>umpA</i> Gene of <i>Escherichia coli</i> Encodes Phosphatidylglycerol:Prolipoprotein Diacylglycerol Transferase ( <i>lgt</i> ) and Regulates Thymidylate Synthase Levels through Translational Coupling," <i>Journal of Bacteriology</i> , <u>177</u> :1879-1882 (1995).
<i>AB2</i>		M. Geissendorfer et al., "Regulated expression of heterologous genes in <i>Bacillus subtilis</i> using the Tn10 encoded <i>tet</i> regulatory elements," <i>Applied Microbiology and Biotechnology</i> , <u>33</u> :657-663 (1990).
<i>AB2</i>		P. Ghersa et al., "Highly controlled gene expression using combinations of a tissue-specific promoter, recombinant adenovirus and a tetracycline-regulatable transcription factor," <i>Gene Therapy</i> , <u>5</u> :1213-1220 (1998).
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<i>AB2</i>		M. Gossen et al., "Transcriptional Activation by Tetracyclines in Mammalian Cells," <i>Science</i> , <u>268</u> :1766-1769 (1995).
<i>AB2</i>		M. Hensel et al., "Simultaneous Identification of Bacterial Virulence Genes by Negative Selection," <i>Science</i> , <u>269</u> , 400-403 (1995).
<i>AB2</i>		W. Hillen et al., "Nucleotide sequence of the Tn10 encoded tetracycline resistance gene," <i>Nucleic Acids Research</i> , <u>11</u> :525-539 (1983).
<i>AB2</i>		W. Hillen et al., "7: Tet repressor- <i>tet</i> operator interaction," <i>Protein-Nucleic Acid Interaction, Volume 10</i> , Saeger et al., eds., MacMillan, London, pages 143-162 (1989).
<i>AB2</i>		S. Iordanescu, "Characterization of the <i>Staphylococcus aureus</i> chromosomal gene <i>pcrA</i> , identified by mutations affecting plasmid pT181 replication," <i>Molecular and General Genetics</i> , <u>241</u> :185-192 (1993).

<b>EXAMINER</b> <i>Donald B. Lippy</i>	<b>Date Considered</b> <i>5-2-02</i>
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<i>AAZ</i>	S. Iordanescu et al., "Two Restriction and Modification Systems in <i>Staphylococcus aureus</i> NCTC8325," <u>Journal of General Microbiology</u> , <u>96</u> :277-281 (1976).
<i>AAZ</i>	H. J. Kim et al., "Tetracycline Repressor-Regulated Gene Repression in Recombinant Human Cytomegalovirus," <u>Journal of Virology</u> , <u>69</u> :2565-2573 (1995).
<i>AAZ</i>	L. Kim et al., "A xylose-inducible <i>Bacillus subtilis</i> integration vector and its application," <u>Gene</u> , <u>181</u> :71-76 (1996).
<i>AAZ</i>	D. J.C. Knowles, "New strategies for antibacterial drug design," <u>Trends in Microbiology</u> , <u>5</u> :379-383 (1997).
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<i>AAZ</i>	J. M. Mei et al., "Identification of <i>Staphylococcus aureus</i> virulence genes in a murine model of bacteraemia using signature-tagged mutagenesis," <u>Molecular Microbiology</u> , <u>26</u> :399-407 (1997).
<i>AAZ</i>	G. Miksch et al., "The <i>kil</i> gene of the ColE1 plasmid of <i>Escherichia coli</i> controlled by a growth-phase-dependent promoter mediates the secretion of a heterologous periplasmic protein during the stationary phase," <u>Archives of Microbiology</u> , <u>167</u> :143-150 (1997).
<i>AAZ</i>	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, Genbank AA248779 Accession Number J1830.seq.F, "Human fetal heart, Lambda ZAP Express Homo sapiens," [online]. Bethesda, MD [retrieved on January 18, 2001]. Retrieved from the Internet:<URL: <a href="http://www.ncbi.nlm.nih.gov/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=1880210&amp;dopt=GenBank">http://www.ncbi.nlm.nih.gov/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=1880210&amp;doct=GenBank</a> >, 2 pages.

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<i>Donald B. Lippert</i>	5-2-02

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<i>AAJ</i>	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, Genbank Locus PI25BLAZA Accession Number M15526, "Plasmid pI258 (from S. aureus) beta-lactamase (blaZ), complete cds," [online]. Bethesda, MD [retrieved on January 18, 2001]. Retrieved from the Internet:<URL: <a href="http://www.ncbi.nlm.nih.gov/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=150716&amp;dopt=GenBank">http://www.ncbi.nlm.nih.gov/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=150716&amp;dopt=GenBank</a> >, 2 pages.
<i>AAJ</i>	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, Genbank Locus STATETM Accession Number M21136, "S. aureus tetracycline resistance (tetM) gene, complete cds," [online]. Bethesda, MD (1990) [retrieved on January 18, 2001]. Retrieved from the Internet:<URL: <a href="http://www.ncbi.nlm.nih.gov/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=153114&amp;dopt=GenBank">http://www.ncbi.nlm.nih.gov/query.fcgi?cmd=Retrieve&amp;db=Nucleotide&amp;list_uids=153114&amp;dopt=GenBank</a> >, 2 pages.
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<i>AAJ</i>	M. Nesin et al., "Cloning and Nucleotide Sequence of a Chromosomally Encoded Tetracycline Resistance Determinant, <i>tetA(M)</i> , from a Pathogenic, Methicillin-Resistant Strain of <i>Staphylococcus aureus</i> ," <u>Antimicrobial Agents and Chemotherapy</u> , 34:2273-2276 (1990).

EXAMINER <i>Donald A. Hepp</i>	Date Considered <i>5-2-02</i>
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<i>AAB</i>	T. Nguyen et al., "Sequence homology between the tetracycline-resistance determinants of Tn10 and pBR322," <u>Gene</u> , <u>25</u> :83-92 (1983).
<i>AAB</i>	R. P. Novick et al., "pT181 Plasmid Replication Is Regulated by a Countertranscript-Driven Transcriptional Attenuator," <u>Cell</u> , <u>59</u> :395-404 (1989).
<i>AAB</i>	K. Okada et al., "The <i>ispB</i> Gene Encoding Octaprenyl Diphosphate Synthase is Essential for Growth of <i>Escherichia Coli</i> ," <u>Journal of Bacteriology</u> , <u>179</u> :3058-3060 (1997).
<i>AAB</i>	H. L. Peng et al., "Cloning, Characterization, and Sequencing of an Accessory Gene Regulator ( <i>agr</i> ) in <i>Staphylococcus aureus</i> ," <u>Journal of Bacteriology</u> , <u>170</u> :4365-4372 (1988).
<i>AAB</i>	K. Postle et al., "Nucleotide sequence of the repressor gene of the TN10 tetracycline resistance determinant," <u>Nucleic Acids Research</u> , <u>12</u> :4849-4863 (1984).
<i>AAB</i>	W. C. Raschke et al., "Inducible expression of a heterologous protein in <i>Hansenula polymorpha</i> using the alcohol oxidase 1 promoter of <i>Pichia pastoris</i> ," <u>Gene</u> , <u>177</u> :163-167 (1996).
<i>AAB</i>	G. Ramakrishnan et al., "A tetracycline-inducible gene expression system in <i>Entamoeba histolytica</i> ," <u>Molecular and Biochemical Parasitology</u> , <u>84</u> :93-100 (1997).
<i>AAB</i>	F. Rivero et al., " <i>Dictyostelium discoideum</i> Cells Lacking the 34,000-Dalton Actin-binding Protein Can Grow, Locomote, and Develop, but Exhibit Defects in Regulation of Cell Structure and Movement: A Case of Partial Redundancy," <u>The Journal of Cell Biology</u> , <u>135</u> :965-980 (1996).
<i>AAB</i>	E. Selva et al., "Targeted Screening for Elongation Factor Tu Binding Antibiotics," <u>The Journal of Antibiotics</u> , <u>50</u> :22-26 (1997).
<i>AAB</i>	A. Skerra, "Use of the tetracycline promoter for the tightly regulated production of a murine antibody fragment in <i>Escherichia coli</i> ," <u>Gene</u> , <u>151</u> :131-135 (1994).
<i>AAB</i>	A. M. Strandén et al., "Cell Wall Monoglycine Cross-Bridges and Methicillin Hypersusceptibility in a <i>femAB</i> Null Mutant of Methicillin-Resistant <i>Staphylococcus aureus</i> ," <u>Journal of Bacteriology</u> , <u>179</u> :9-16 (1997).
<i>AAB</i>	M. Takahashi, "Kinetic and Equilibrium Characterization of the Tet Repressor-Tetracycline complex by Fluorescence Measurements," <u>Journal of Molecular Biology</u> , <u>187</u> :341-348 (1986).

EXAMINER <i>Howard A. Leff</i>	Date Considered <i>5-2-02</i>
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<i>ABZ</i>	K. Tovar et al., "Identification and nucleotide sequence of the class E <i>tet</i> regulatory elements and operator and inducer binding of the encoded purified Tet repressor," <u>Molecular and General Genetics</u> , <u>215</u> :76-80 (1988).
<i>ABZ</i>	B. Unger et al., "Nucleotide sequence of the repressor gene of the RA1 tetracycline resistance determinant: structural and functional comparison with three related Tet repressor genes," <u>Nucleic Acids Research</u> , <u>12</u> :7693-7703 (1984).
<i>ABZ</i>	B. Unger et al., "Nucleotide sequence of the gene, protein purification and characterization of the pSC101-encoded tetracycline resistance-gene-repressor," <u>Gene</u> , <u>31</u> :103-108 (1984).
<i>ABZ</i>	P. Z. Wang et al., "Nucleotide Sequence and Expression of the $\beta$ -Lactamase Gene from <i>Staphylococcus aureus</i> Plasmid pI258 in <i>Escherichia coli</i> , <i>Bacillus subtilis</i> , and <i>Staphylococcus aureus</i> ," <u>Journal of Bacteriology</u> , <u>169</u> :1763-1766 (1987).
<i>ABZ</i>	S. H. Waters et al., "The tetracycline resistance determinants of RP1 and Tn1721: nucleotide sequence analysis," <u>Nucleic Acids Research</u> , <u>11</u> :6089-6105 (1983).
<i>ABZ</i>	F. Yao et al.; "Tetracycline Repressor, tetR, rather than the tetR-Mammalian Cell Transcription Factor Fusion Derivatives, Regulates Inducible Gene Expression in Mammalian Cells," <u>Human Gene Therapy</u> , <u>9</u> :1939-1950 (1998).

<b>EXAMINER</b> <i>Donald B. Keffler</i>	<b>Date Considered</b> 5-2-02
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